File Edit Tools Window Help

- Pending
- Active
  - L1: (13816) (multiple or plurality) same radar
  - L2: (1029938) first same second same (signal or frequency)
  - L3: (6947) L1 and L2
  - L4: (170010) carrier near6 (frequency or signal)
  - L5: (1564) L3 and L4
  - L6: (107353) coherent or coherently
  - L7: (11678) incoherent or incoherently
  - L8: (1524213) combine or combining or integrate or integrating or integration
  - L9: (6430) L8 same (L6 or L7)
  - L10: (223) L5 and L9
  - L11: (14) L10 and @ad<="20031010" AND @PD>="20040902"
  - L12: (6167) (342/52) or (342/54) or (342/55) or (342/70) or (342/71) or (342/72) or (342/74) or
  - L13: (2253) (342/59) or (342/89) or (342/90) or (342/97) or (342/118) or (342/126) or (342/135)
  - L14: (8014) 12 or 13
  - L15: (454) L14 and @ad<="20031010" AND @PD>="20040902"
  - L16: (242) (342/59).CCLS.
  - L17: (105) L1 and L16
  - L18: (111502) L6 or L7
  - L20: (1) L19 and @ad<="20031010" AND @PD>="20040902"
  - L19: (30) L17 and L18
  - L21: (10) Combined citation search 2
- Failed
- Saved
  - S1: (17) radar and (vehicle or vehicles or car or auto or automobile or automotive) and image an...
  - S2: (5466) (342/52) or (342/54) or (342/55) or (342/70) or (342/71) or (342/72) or (342/74) or (
  - S3: (4872) S2 and @ad<="20031008"
  - S4: (1) ("6362774").PN.
  - S5: (12881) (multiple or plurality) same radar
  - S6: (954462) first same second same (signal or frequency)
  - S7: (6544) S5 and S6
  - S8: (155001) carrier near6 (frequency or signal)
  - S9: (1447) S7 and S8
  - S10: (99024) coherent or coherently
  - S11: (10468) incoherent or incoherently
  - S12: (1386796) combine or combining or integrate or integrating or integration

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DB: USPGPUB, USPAT
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342/59
342/89
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342/97
342/118
342/126
342/135
342/145
342/189
342/195
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Document #	Kind Codes	Source	Hit Ed	Pages	Title	Invention

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	Search Terms	Total	USPAT	US-PGP	US-PGP	EPO	JPO	Derwe
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2	342/126	156						
3	342/135	224						
4	342/145	196						
5	342/189	290						
6	342/195	782						
7	342/59	242						
8	342/89	243						
9	342/90	287						

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Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	13816	(multiple or plurality) same radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L2	1029938	first same second same (signal or frequency)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L3	6947	L1 and L2	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L4	170010	carrier near6 (frequency or signal)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L5	1564	L3 and L4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L6	107353	coherent or coherently	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L7	11678	incoherent or incoherently	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L8	1524213	combine or combining or integrate or integrating or integration	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37

L9	8430	L8 same (L6 or L7)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
L10	223	L5 and L9	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:37
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L13	2272	((342/59) or (342/89) or (342/90) or (342/97) or (342/118) or (342/126) or (342/135) or (342/145) or (342/189) or (342/195)).CCLS.	US-PGPUB; USPAT	OR	OFF	2005/07/11 10:39
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L17	105	L1 and L16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:40

L18	111502	L6 or L7	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/11 10:40
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L21	10	("2604607" | "3258766" | "3275882" | "3427611").PN. OR ("3789397").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/07/11 10:45

SEARCH NOTES FOR EAST, IEEE, INSPEC AND IP.COM

SERIAL NUMBER   10684081

EAST: search history attached

IEEE

Search terms: radar <and> (coherent <or> coherently <or> incoherent <or> incoherently) <and> (multiple <or>
plurality)

1. **New techniques for radar coherent range ambiguity resolution**
   Feng-ling Lin; Steiner, M.
   Radar Conference, 2001. Proceedings of the 2001 IEEE
   2001 Page(s):99 - 104

2. **Netted radar sensing**
   Baker, C.J.; Hume, A.L.
   Aerospace and Electronic Systems Magazine, IEEE
   Volume 18, Issue 2, Feb 2003 Page(s): 3 - 6

3. **Numerical investigation of intense rainfall effects on coherent and incoherent slant-path propagation at K-band and above**
   Marzano, F.S.; Roberti, L.
   Antennas and Propagation, IEEE Transactions on
   Volume 51, Issue 5, May 2003 Page(s): 965 - 977

INSPEC

Search terms: radar and (coherent or coherently or incoherent or incoherently)
and (multiple or plurality)

Search strategy
No. Database Search term Info added
since Results
1 INZZ
radar AND (coherent OR
coherently OR incoherent OR
incoherently) AND (multiple
OR plurality)
20040902 26
Saved: 11–Jul–2005, 16:26:34 CET
2

INSPEC – 1969 to date (INZZ)
**Probability hypothesis density–based multitarget tracking with bistatic range and Doppler
observations.**
Author(s)
Tobias–M; Lanterman–A–D.
Source

Distributed CFAR detection of array signals from *multiple* sensors.
Author(s)
Yan–Jun; Guan–Jian; Peng–Yingning.
1

IP.COM

Search terms:　　　　radar and (coherent or coherently or incoherent or incoherently) and (multiple or plurality)

Result # 1　　　Relevance:

Time frequency processor for radar imaging of moving targets

12-Sep-2000　　　　IPCOM000001698D　　　　　　　　　　　English (United States)

Conventional radar uses the Fourier transform to generate a radar target image. Constraints on the use of Fourier methods requiring point scatterers to remain in their range cells and requiring Doppler frequency shifts for point scatterers to be stationary are impractical ...

Result # 2 Relevance:

Anti-jamming system for tracking and surveillance radar

12-Sep-2000　　　　IPCOM000001028D　　　　　　　　　　　English (United States)

A radar ECCM system for degrading the effect that a standoff noise jammer has on a radar receiving site that is tracking an incoming aerial target. The system effectively removes from the mainlobe of the beam emanating from the site the component of random noise contained in ...

Result # 3　　　Relevance:

Wide bandwidth radar having improved signal to clutter response characteristics

12-Sep-2000　　　　IPCOM000000205D　　　　　　　　　　　English (United States)

Improved signal to clutter response in a radar is achieved by transmitting broad bandwidth frequency modulated noise pulses. Utilization of millisecond pulse intervals enables the radar video processor to average the independent samples present in each echo pulse so that ...

Result # 4　　　Relevance:

Radardoppler processor using a fast orthogonalization network

12-Sep-2000　　　　IPCOM000000108D　　　　　　　　　　　English (United States)

A radar doppler processor, comprising M, M=N-1, tap delay lines; N digital multipliers; a N-point fast fourier transform network; and a fast orthogonalizing network to orthogonalize each subband output signal to eliminate cross-correlations between all output signals.

Result # 5　　　Relevance:

Method for high resolution radar imagery and accurate dimensional measurements

12-Sep-2000   IPCOM000001175D   English (United States)

This invention involves a method of processing radar returns to form two-dimensional images of targets such as ground vehicles, aircraft, ships, and so forth. Resolution in one dimension is provided by range resolution, and resolution in the other dimension is provided by ...

Result # 6   Relevance: ⬤⬤▫▫▫▫

Ranging method and system, especially for radar signal processing for ambiguous range radars

12-Sep-2000   IPCOM000000763D   English (United States)

A method and apparatus exploiting the discovery that the cross-correlation of rows of Frank or P4 matrices of a given spacing sum to zero. In a ranging system, such as a radar, pulses are coded according to the rows of a Frank or P4 matrix, transmitted sequentially and each ...

Result # 7   Relevance: ⬤⬤▫▫▫▫

Polarization isolation and zero time-sidelobe pulse compression through group-complementary coding

12-Sep-2000   IPCOM000000480D   English (United States)

This concept makes use of the orthogonal nature of Group-Complementary Codes to achieve improved polarization isolation between the vertical and horizontal radiation in a circularly polarized or dual linearly polarized antenna system while achieving zero time-sidelobe ...

Result # 8   Relevance: ⬤⬤▫▫▫▫

Discrete complex correlation device for obtaining subpixel accuracy

12-Sep-2000   IPCOM000000737D   English (United States)

This invention is directed to an image processing arrangement used to estimate image displacement relative to a reference frame. It comprises a discrete complex correlator, an associated interpolator, and a displacement estimator. The unique nature of the system is its ...

Result # 9   Relevance: ⬤▫▫▫▫▫

Bistable photoconductive switches particularly suited for frequency-agile, radio-frequency sources

12-Sep-2000   IPCOM000001695D   English (United States)

A photoconductive switching device is disclosed that has an enhanced speedf response so that its closed (low) and open (high) resistive states are obtained in response to optical illumination in the less than nanosecond regime. The enhanced speed of response is achieved by ...

Result # 10   Relevance: ⬤▫▫▫▫▫

Bistable photoconductive switches particularly suited for frequency-agile, radio-frequency sources

14-Sep-2000   IPCOM000004311D   English (United States)

A photoconductive switching device is disclosed that has an enhanced speed of response so that its closed (low) and open (high) resistive states are obtained in response to optical illumination in the less than nanosecond regime. The enhanced speed of response is achieved by ...

Result # 11   Relevance: ⬤▫▫▫▫▫

Gram-Schmidt space-time adaptive filter using transverse orthonormal ladder filters

12-Sep-2000   IPCOM000001000D   English (United States)

A space-time adaptive filter system is provided for eliminating unwanted signals from a radar or communication system. The filter system receives a main channel and several auxiliary channels wherein the target signal is not correlated between the various signal channels. ...

Result # 12   Relevance: ⬤▫▫▫▫▫

Laser Doppler Radar

1962-08-01   IPCOM000097282D   English (United States)

A coherent beam of light 10 generated by laser 11 is directed toward a target, the velocity of which it is desired to determine. The beam passes through half silvered mirror 12 where it is split into a reflected

beam 13 and a transmitted interrogation beam 14. On ...

Result # 13   Relevance: ⬢░░░░░

Optimum multiple target detection and resolution

12-Sep-2000   IPCOM000000372D   English (United States)

A method or technique of resolving multiple energy sources from signals obtained by a spatial array of sensors in which portions of two prior art techniques are combined to yield an improved hybrid technique. The method involves sampling and digitizing the output of a sensor ...

Result # 14   Relevance: ⬢░░░░░

Fiber optic RF signal channelizer

12-Sep-2000   IPCOM000001054D   English (United States)

An array of fiber optic RF filters each responsive to a predetermined wavngth forms a channelizer for a wide bandwidth receiver used in a dense signal environment having complex modulations. Each fiber optic RF filter comprises a resonant cavity formed from a section of ...

Result # 15   Relevance: ⬢░░░░░

Converter

12-Sep-2000   IPCOM000000334D   English (United States)

An electrical power converter comprising two current-fed square wave choppers the outputs of which are combined and rectified to yield a variable and regulated output voltage. The phase relationship of the choppers are varied to achieve output voltage control and regulation. ...